

## Technical Data Sheet

### EVAL™ C109B

35 mol% Ethylene Vinyl-Alcohol Copolymer

Standard Properties	Unit	Test Method	Value
MFR	g/10min	ISO1133 (190°C)	8.5
Density	10 <sup>3</sup> kg/m <sup>3</sup>	ISO1183-3	1.18

Thermal Properties	Unit	Test Method	
Melting Temperature	°C	ISO 11357	177
Crystallization Temperature	°C	ISO 11357	155
Glass Transition Point	°C	ISO 11357	58
Vicat Softening Point	°C	ISO 306	167

Mechanical Properties	Unit	Test Method (Dry injection piece, 23°C)	
Tensile stress at break	MPa	ISO 527	32
Elongation at break	%	ISO 527	14
Young's Modulus	GPa	ISO 527	4.3
Flexural Modulus	GPa	ISO 178	4.0
Charpy Impact Strength	kJ/m <sup>2</sup>	ISO 179-1	6
Rockwell Hardness	HRM	ISO 2039-2	89

Barrier Properties (cast film)	Unit	Test Method (Cast film, 20°C65%RH)	
Oxygen Transmission Rate	cm <sup>3</sup> .20µm/m <sup>2</sup> .day.atm	ISO 14663-2 Annex C	0.5

EVAL Europe N.V.

Haven 1053, Nieuwe Weg 1 Bus 10  
2070 Zwijndrecht (Antwerp), Belgium

Tel +32 3 250 9733

Fax +32 3 250 9704

**www.evalevoh.com**  
**eval.eu@kuraray.com**

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